

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/576780	US-PGPUB; USPAT; USOCR	OR	OFF	2009/09/01 08:33
S2	2	("4152098"   "4883467").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 12:40
S3	49	("2809589"   "3134125"   "3174433"   "3496872"   "3527220"   "3951147"   "4013074").PN. OR ("4152098").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 12:48
S4	37	("2679353"   "2853229"   "2954917"   "3468257"   "3781140"   "4543989"   "4568250").PN. OR ("4883467").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 12:50
S5	14	((PETER) near2 (RYSER)).INV.	US-PGPUB; USPAT	OR	OFF	2009/12/15 12:55
S6	1	((SIGRID) near2 (STRAESSLER)).INV.	US-PGPUB; USPAT	OR	OFF	2009/12/15 12:56
S7	2	((JOSEF) near2 (HILBER)).INV.	US-PGPUB; USPAT	OR	OFF	2009/12/15 12:56
S8	4	("4152098"   "4734092"   "4883467"   "4964533").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 12:58
S9	0	"2001043864"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 13:01
S10	0	"2001/043864"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 13:02
S11	5181	teruo.inv.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 13:02
S12	86	((TERUO) near2 (MARUYAMA)).INV.	US-PGPUB; USPAT	OR	OFF	2009/12/15 13:03
S13	596	417/420.ccls.	US-PGPUB; USPAT	OR	OFF	2009/12/15 13:05

S14	759	417/420.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 13:05
S15	15	417/420.ccls. and micropump	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 13:42
S16	3	417/420.ccls. and micro- pump	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 13:44
S17	9	417/420.ccls. and drug	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 13:46
S18	12647	(rotor same axial same seal\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 13:52
S19	12	(rotor same axial same seal\$3) and micropump	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 13:52
S20	275	(rotor same axial same seal\$3 same magnets)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 13:53
S21	63	"417".clas. and (rotor same axial same seal\$3 same magnets)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 13:54
S22	5	micropump and drug and (rotor same magnets)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 13:59
S23	5	micropump and drug and (rotor same magnets)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 14:00
S24	23	micropump and (rotor same magnets)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 14:00
S26	743	417/423.1.ccls.	US-PGPUB; USPAT	OR	OFF	2009/12/15 14:18
S27	154	417/423.1.ccls. and (rotor with axial)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 14:18
S28	733	415/172.1.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 14:19
S29	791	415/170.1.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 14:21
S30	14	"415".clas. and micropump	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 14:24

S31	444	417/420.ccls. and seal \$3	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 14:35
S32	91	("0538050"   "0619736"   "0885108"   "1046115"   "1337916"   "1986836"   "2472412"   "2783401"   "2810349"   "3091182"   "3162135"   "3299819"   "3490379"   "3938914"   "R026094").PN. OR ("2851289"   "2949321"   "3045134"   "3134331"   "3188966"   "3647314"   "4135863").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 16:20
S33	77	417/423.1.ccls. and (rotor with magnets)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 16:24
S34	49	417/423.1.ccls. and (impeller with magnets)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 16:26
S35	232	417/420.ccls. and ((rotor or impeller) with magnets)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 16:29
S36	107	("1141556"   "2741991"   "3079866"   "3398696"   "3600101"   "3881840"   "3932069"   "4047847"   "4226574"   "4245952"   "4507048"   "4541786"   "4643641"   "4722661"   "4780066"   "4806080"   "4824262"   "4850818"   "4874300"   "4898518"   "5049134"   "5055005"   "5066200"   "5079467"   "5253986"   "5322413"   "5360317"   "5399074"   "5441535"   "5458459"   "5575630").PN. OR ("5201642"   "5575630"   "5683231"   "5803720").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 16:35

S37	413	417/410.3.ccls.	US-PGPUB; USPAT	OR	OFF	2009/12/15 16:41
S38	523	417/410.3.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 16:41
S39	151	micropump.ti.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/15 16:47
S40	327	( "0538050"   "0619736"   "0885108"   "1046115"   "1141556"   "1337916"   "1986836"   "2270054"   "2407218"   "2457880"   "2472412"   "2649050"   "2679353"   "2722439"   "2741991"   "2783401"   "2798438"   "2809589"   "2810349"   "2853229"   "2954917"   "2965398"   "3079866"   "3091182"   "3134125"   "3162135"   "3174433"   "3213798"   "3299819"   "3398696"   "3468257"   "3477729"   "3490379"   "3496872"   "3508758"   "3527220"   "3539270"   "3600101"   "3645643"   "3677659"   "3781140"   "3831381"   "3881840"   "3919854"   "3932069"   "3938914"   "3949996"   "3951147"   "4013074"   "4047847"   "4209282"   "4226574"   "4245952"   "4507048"   "4541786"   "4543989"   "4568250"   "4643641"   "4722661"   "4722663"   "4752144"   "4780066"   "4806080"   "4824262"   "4850818"   "4869654"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 11:58

		"4874300"   "4898518"   "4952429"   "5049134"   "5055005"   "5066200"   "5079467"   "5108715"   "5253986"   "5322413"   "5360317"   "5399074"   "5441535"   "5458459"   "5575630"   "R026094").PN. OR ("2001/0043864"   "2004/0253127"   "2004/0258541"   "2009/0123309"   "2851289"   "2949321"   "3045134"   "3134331"   "3188966"   "3647314"   "4135863"   "4152098"   "4883467"   "5171126"   "5201642"   "5334004"   "5575630"   "5683231"   "5803720").URPN.				
S41	333	"417".clas. and micropump	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:15
S42	954	604/891.1.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:29
S43	268	"604".clas. and micropump	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:30
S44	578	604/891.1.ccls. and seal \$3	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:37
S45	16	604/891.1.ccls. and seal \$3 and rotor	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:40
S47	1085	"417".clas. and seal\$3 and rotor and pump and magnet\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:42
S48	53	micropump and seal\$3 and rotor and magnet\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:43
S49	63	"604".clas. and micro- pump	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:43

S50	20	micro-pump and seal\$3 and rotor and magnet\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:43
S51	71	("1137927"   "1477850"   "2083167"   "2349310"   "2543941"   "2651995"   "2696266"   "2750891"   "2936835"   "3223040"   "3552603"   "3584977"   "3633420"   "3714988"   "3771906"   "4042149"   "4246969"   "4278132"   "4324294"   "4328824"   "4409829"   "4448256"   "4467652"   "4527054"   "4568248"   "4705459"   "4824342"   "4878454"   "4899825"   "4925370"   "4985181"   "5050094"   "5092824"   "5096390"   "5125806"   "5145014"   "5169292"   "5174383"   "5195873"   "5232052"   "5242271"   "5248245"   "5255747"   "5257919"   "5290602"   "5291951"   "5304001"   "5313548"   "5362519"   "5393203"   "5403089"   "5411100"   "5545871"). PN. OR ("5704767"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:47
S52	111	micropump and seal\$3 and rotor	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:50

S53	20	(US-20010043864-\$ or US-20040253127-\$ or US-20090123309-\$ or US-20040258541-\$).did. or (US-4152098-\$ or US-4883467-\$ or US-5334004-\$ or US-4135863-\$ or US-3647314-\$ or US-5171126-\$ or US-3134331-\$ or US-2949321-\$ or US-2851289-\$ or US-5803720-\$ or US-5683231-\$ or US-5575630-\$ or US-5201642-\$ or US-5704767-\$).did. or (US-3045134-\$ or US-3188966-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:55
S54	2	S53 and micropump	USPAT; USOCR	OR	OFF	2010/01/13 12:55
S55	0	S53 and micro-pump	USPAT; USOCR	OR	OFF	2010/01/13 12:55
S56	3	S53 and micropump	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:55
S57	398	("0538050"   "0619736"   "0885108"   "1046115"   "1137927"   "1141556"   "1337916"   "1477850"   "1986836"   "2083167"   "2270054"   "2349310"   "2407218"   "2457880"   "2472412"   "2543941"   "2649050"   "2651995"   "2679353"   "2696266"   "2722439"   "2741991"   "2750891"   "2783401"   "2798438"   "2809589"   "2810349"   "2853229"   "2936835"   "2954917"   "2965398"   "3079866"   "3091182"   "3134125"   "3162135"   "3174433"   "3213798"   "3223040"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:56

"3299819"	
"3398696"   "3468257"	
"3477729"	
"3490379"   "3496872"	
"3508758"	
"3527220"   "3539270"	
"3552603"	
"3584977"   "3600101"	
"3633420"	
"3645643"   "3677659"	
"3714988"	
"3771906"   "3781140"	
"3831381"	
"3881840"   "3919854"	
"3932069"	
"3938914"   "3949996"	
"3951147"	
"4013074"   "4042149"	
"4047847"	
"4209282"   "4226574"	
"4245952"	
"4246969"   "4278132"	
"4324294"	
"4328824"   "4409829"	
"4448256"	
"4467652"   "4507048"	
"4527054"	
"4541786"   "4543989"	
"4568248"	
"4568250"   "4643641"	
"4705459"	
"4722661"   "4722663"	
"4752144"	
"4780066"   "4806080"	
"4824262"	
"4824342"   "4850818"	
"4869654"	
"4874300"   "4878454"	
"4898518"	
"4899825"   "4925370"	
"4952429"	
"4985181"   "5049134"	
"5050094"	
"5055005"   "5066200"	
"5079467"	
"5092824"   "5096390"	
"5108715"	
"5125806"   "5145014"	
"5169292"	
"5174383"   "5195873"	
"5232052"	
"5242271"   "5248245"	
"5253986"	
"5255747"   "5257919"	



		"5290602"   "5291951"   "5304001"   "5313548"   "5322413"   "5360317"). PN. OR ("5362519"   "5393203"   "5399074"   "5403089"   "5411100"   "5441535"   "5458459"   "5545871"   "5575630"   "R026094").PN. OR ("2001/0043864"   "2004/0253127"   "2004/0258541"   "2009/0123309"   "2851289"   "2949321"   "3045134"   "3134331"   "3188966"   "3647314"   "4135863"   "4152098"   "4883467"   "5171126"   "5201642"   "5334004"   "5575630"   "5683231"   "5704767"   "5803720").URPN.				
S58	15	S57 and micropump	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:56
S59	1	S57 and micro-pump	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:57
S60	1000	"417".clas. and (rotor same axial\$2 same seal \$3 same (move\$4 or reciproca\$3 or slid\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:29
S61	323	"417".clas. and (seal\$3 same (rotor with axial\$2 with (move\$4 or reciproca\$3 or slid\$4)))	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:33
S62	533	pump and (seal\$3 same (rotor with axial\$2 with (move\$4 or reciproca\$3 or slid\$4)))	US-PGPUB; USPAT	OR	OFF	2010/01/13 15:40
S63	5	micropump and (seal\$3 same (rotor with axial\$2 with (move\$4 or reciproca\$3 or slid\$4)))	US-PGPUB; USPAT	OR	OFF	2010/01/13 15:45

S64	21	("2711286"   "3303783"   "3398886"   "4361419"   "4443169"   "4533302"   "4857054"   "4897025"   "5135371"   "5219276"   "5263818"   "5466137"   "5554019"   "6179596"). PN. OR ("6179596"   "6551083").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:49
S65	18	("2711286"   "2761078"   "2871793"   "4688998"   "4779614"   "4957504").PN. OR ("5219276").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:52
S66	2	"604".clas. and (seal\$3 same (rotor with axial\$2 with (move\$4 or reciproca\$3 or slid\$4)))	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:53
S67	0	micro-pump and (seal\$3 same (rotor with axial\$2 with (move\$4 or reciproca\$3 or slid\$4)))	US-PGPUB; USPAT	OR	OFF	2010/01/13 15:56
S68	23	(US-20010043864-\$ or US-20040253127-\$ or US-20090123309-\$ or US-20040258541-\$).did. or (US-4152098-\$ or US- 4883467-\$ or US- 5334004-\$ or US- 4135863-\$ or US- 3647314-\$ or US- 5171126-\$ or US- 3134331-\$ or US- 2949321-\$ or US- 2851289-\$ or US- 5803720-\$ or US- 5683231-\$ or US- 5575630-\$ or US- 5201642-\$ or US- 5704767-\$ or US- 6551083-\$ or US- 6179596-\$ or US- 5219276-\$).did. or (US- 3045134-\$ or US- 3188966-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:56
S69	4	S68 and rotor and micropump	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:56

S70	30	"417".clas. and rotor and micropump	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:57
S71	12	"417".clas. and rotor and micro-pump	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 15:58
S72	7	micropump and (rotor same axial\$2 same seal \$3 same (move\$4 or reciproca\$3 or slid\$4))	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 16:00
S73	24	"604".clas. and rotor and micropump	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 16:00
S74	1113	417/410.1.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 16:05

**1/13/2010 4:49:25 PM**

**C:\Documents and Settings\PBerthhead\My Documents\EAST\Workspaces\10576780.  
wsp**